

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

| | |
|--------------------------|---------------------------|
| Attorney Docket Number | 13DV-13395 |
| First Named Inventor | David Louis Burrus et al. |
| COMPLETE IF KNOWN | |
| Application Number | / |
| Filing Date | |
| Group Art Unit | |
| Examiner Name | |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GAS TURBINE ENGINE COMBUSTOR CAN WITH TRAPPED VORTEX CAVITY

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? | |
|--|---------|----------------------------------|--------------------------|------------------------------|-----------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: | | | | | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to:

Customer Number
or Bar Code Label

OR

Correspondence address below

30503

PATENT TRADEMARK OFFICE

Name

Steven J. Rosen, Patent Attorney

Address 4729 Cornell Rd.

City Cincinnati

State OH

ZIP 45241

Country US

Telephone 513-489-5383

Fax 513-489-5466

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventorGiven Name
(first and middle [if any])

David Louis

Family Name
or Surname

Burrus

Inventor's
Signature*David Louis Burrus*

Date 6-6-2002

Residence: City Cincinnati State OH Country US Citizenship US

Mailing Address 10652 Brandywine Lane

City Cincinnati State OH ZIP 45242 Country US

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventorGiven Name
(first and middle [if any])

Narendra Digamber

Family Name
or Surname

Joshi

Inventor's
Signature*Narendra Joshi*

Date 6/10/2002

Residence: City Cincinnati State OH Country US Citizenship India

Mailing Address 12169 Villagewoods Dr.

City Cincinnati State OH ZIP 45241 Country US

 Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

| | |
|--------------------------|---------------------------|
| Attorney Docket Number | 13DV-13395 |
| First Named Inventor | David Louis Burrus et al. |
| COMPLETE IF KNOWN | |
| Application Number | / |
| Filing Date | |
| Group Art Unit | |
| Examiner Name | |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GAS TURBINE ENGINE COMBUSTOR CAN WITH TRAPPED VORTEX CAVITY

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | YES | NO |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Approved for use through 10/31/2002. OMB 0651-0032
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number or Bar Code Label  OR Correspondence address below

30503

PATENT TRADEMARK OFFICE

Name Steven J. Rosen, Patent Attorney

Address 4729 Cornell Rd.

| | | | | | |
|------|------------|-------|----|-----|-------|
| City | Cincinnati | State | OH | ZIP | 45241 |
|------|------------|-------|----|-----|-------|

| | | | | | |
|---------|----|-----------|--------------|-----|--------------|
| Country | US | Telephone | 513-489-5383 | Fax | 513-489-5466 |
|---------|----|-----------|--------------|-----|--------------|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor

| | | | |
|---|------------|---------------------------|--------|
| Given Name (first and middle [if any]) | Joel Meier | Family Name or Surname | Haynes |
|---|------------|---------------------------|--------|

| | | | |
|-------------------------|--------------------------|------|--------|
| Inventor's Signature | <i>Joel Meier Haynes</i> | Date | 6/7/02 |
|-------------------------|--------------------------|------|--------|

| | | | | | | | |
|-----------------|-----------|-------|----|---------|----|-------------|----|
| Residence: City | Niskayuna | State | NY | Country | US | Citizenship | US |
|-----------------|-----------|-------|----|---------|----|-------------|----|

Mailing Address 1187 Hillside Ave., Apt. 5B50

| | | | | | | | |
|------|-----------|-------|----|-----|-------|---------|----|
| City | Niskayuna | State | NY | ZIP | 12309 | Country | US |
|------|-----------|-------|----|-----|-------|---------|----|

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

| | | | |
|---|---------|---------------------------|------------|
| Given Name (first and middle [if any]) | Alan S. | Family Name or Surname | Feitelberg |
|---|---------|---------------------------|------------|

| | | | |
|-------------------------|---------------------------|------|--------|
| Inventor's Signature | <i>Alan S. Feitelberg</i> | Date | 6/7/02 |
|-------------------------|---------------------------|------|--------|

| | | | | | | | |
|-----------------|-----------|-------|----|---------|----|-------------|----|
| Residence: City | Niskayuna | State | NY | Country | US | Citizenship | US |
|-----------------|-----------|-------|----|---------|----|-------------|----|

Mailing Address 110 Killarney Dr.

| | | | | | | | |
|------|-----------|-------|----|-----|-------|---------|----|
| City | Niskayuna | State | NY | ZIP | 12309 | Country | US |
|------|-----------|-------|----|-----|-------|---------|----|

Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.